

UNIVERSITY OF JAFFNA, SRI LANKA
FACULTY OF ALLIED HEALTH SCIENCES
FIRST YEAR SECOND SEMESTER EXAMINATION 2021



AHSBS 1211 Basic Statistics

Date: 14.06.2023

Time: 03 Hours

ANSWER ALL QUESTIONS. Marks allotted to each part are given within brackets.

1. A reached recorded data of 20 patients' gender and age are given in the table.

Age of the patient (years)	Gender	Disease level	Age of the patient (years)	Gender	Disease level
1	1	1	5	1	1
12	2	3	5	2	2
32	2	3	7	1	2
2	1	2	6	2	3
3	2	3	20	1	1
10	1	3	16	2	1
8	2	3	11	1	3
9	1	3	15	2	1
4	1	2	15	1	1
5	2	3	14	2	1

1: Mild, 2: Moderate, 3: Severe

- 1.1 What type of scale is used in each variable? (15 Marks)
 1.2 Calculate the central tendency of each variable. (45 Marks)
 1.3 Draw a graph For the variable of (40 Marks)
 1.3.1 Age of the patient
 1.3.2 Disease level

2. The temperature (Celsius) of the refrigerator is given below:

4	3	7	8	6	3
5	7	2	9	1	5
2	6	5	5	2	9
2	5	5	4	4	5
3	4	5	7	8	9

- 2.1 Write the type of scale used to measure the variable (10 Marks)
 2.2 What is the most suitable statistic for the data (10 Marks)
 2.3 Describe the result more appropriately (20 Marks)
 2.4 Draw a graph for the data (40 Marks)
 2.5 Distinguish inferential statistics and descriptive statistics (20 Marks)